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Evolution of the Selfing Syndrome in *Arabis alpina* (Brassicaceae)

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DOI: <https://doi.org/10.1371/journal.pone.0126618>

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ZORA URL: <https://doi.org/10.5167/uzh-111113>

Journal Article

Supplemental Material



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Originally published at:

Tedder, Andrew; Carleial, Samuel; Gołębiewska, Martyna; Kappel, Christian; Shimizu, Kentaro K; Stift, Marc (2015). Evolution of the Selfing Syndrome in *Arabis alpina* (Brassicaceae). PLoS ONE, 10(6):e0126618.

DOI: <https://doi.org/10.1371/journal.pone.0126618>

- 1 **S1 Table. Linear mixed model analysis of the effect of Mating System on floral traits of *Arabis alpina*.** Cases where estimates for selfing
2 populations differ significantly from those of the outcrossing populations are indicated in bold.

Trait (unit of measurement)	Transformation for analysis	Mean outcrossing (untransformed)	Mean selfing (untransformed)	Model estimate (transformed) of difference between outcrossing and selfing means ^a	t-value	P (df=4) ^b
Dissection Index (mm/mm)	-	5.92	5.94	+0.03	0.31	0.771
Long stamen length (mm)	-	8.07	5.65	-2.41	-9.00	<0.001
Short stamen length (mm)	-	5.58	3.32	-2.27	-12.1	<0.001
Angle short stamens (degrees)	log _e	16.9	25.3	+0.39	4.75	0.009
Angle long stamens (degrees)	Square root	2.90	5.81	+0.66	3.75	0.02
Pollen size (µm)	-	19.77	20.84	+1.04	4.14	0.0144
Ovary length (mm)	-	3.47	3.05	-0.48	-2.09	0.105

- 3 ^a Model Fixed part: Mating system; Random part: Population and Plant_ID, analysed with the *lme* function in the *nlme* package in R (R-Core-Team, 2013)

- 4 ^b df: degrees of freedom. For testing differences between mating system df=4 because there were three outcrossing and three selfing populations